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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/921,520	08/02/2001	Hiroshi Miyajima	14843	6099
7:	590 01/29/2003			
Scully, Scott, Murphy & Presser			EXAMINER	
400 Garden City Plaza Garden City, NY 11530-0299			NGUYEN, DANNY	
			ART UNIT	PAPER NUMBER
			2836	
			DATE MAII ED: 01/20/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).			Application No.	Applicant(s)			
Danny Nguyen 2836 Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. If the period for reply specified store is less fain thiny (30) days, a reply within the stability minimum of thiny (30) days will be considered timely. If the period for reply specified store is less fain thiny (30) days, a reply within the stability minimum of thiny (30) days will be considered timely. If the period for reply specified store is less fain thiny (30) days, a reply within the stability minimum of thiny (30) days will be considered timely. If the period for reply specified store is less fain thiny (30) days, a reply with the stability minimum of thiny (30) days will be considered timely. If the period for reply specified store is less fain thiny (30) days, a reply with the stability minimum of thiny (30) days will be considered timely. If the period for reply specified and the state of the communication. A pricely received by the Office liter than three months after the mailing date of this communication. A pricely received by the Office liter than three months after the mailing date of this communication. A pricely received by the Office liter than three months after the mailing date of this communication. Status Status Status This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex partie Quaryle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s)	t.`		09/921,520	MIYAJIMA ET AL.			
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Application/Control Number: 09/921,520

Art Unit: 2836

DETAILED ACTION

Specification

The disclosure is objected to because of the following informalities: page 9, line
 "fig. 1" should be read "fig. 2". Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Melville (USPN 5,964,273) in view of Asada (USPN 6,232,861).

Regarding to claims 1, 2, 4, 5, 8, Melville discloses an actuator drive (see figs 2 and 7) comprises a movable section (12); a fixed section (18 or 19); an elastic member (14) for connecting the movable section and the fixed section; a magnetic field generation member (magnet circuits, see cols. 3 and 4, lines 60 20); a drive coil (26); a control circuit (205) for applying a drive signal (204) having a rectangular wave to the drive coil, the movable section making a movement relative to the fixed section in a resonant state, the control circuit feeding back an output signal to the drive coil, thereby maintaining the movement of the movable section relative to the fixed section in the resonant state; and a high frequency elimination circuit (low pass filter 201) for eliminating a specific high frequency component of the output signal of the detection

coil. Melville does disclose a detection coil. Asada discloses an optical scanner with detection coil (12A, 12B, see fig. 32). It would have been obvious to one having skill in the art at the time the invention was made to modify the circuit of Melville with detection coil as taught by Asada in order to detect the position of the movable plate.

Regarding to claim 3, Melville discloses a phase compensation circuit (203) for compensating for the change in phase caused by the high frequency elimination circuit.

Claims 6, 7, 9, 10 repeat the limitations of claims 2, 3, 4 therefore rejected accordingly.

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Danny Nguyen whose telephone number is (703)-305-5988. The examiner can normally be reached on Mon to Fri 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus can be reached on (703)-308-3119. The fax phone numbers for the organization where this application or proceeding is assigned are (703)-872-9318 for regular communications and (703)-872-9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)-308-0956.

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January 13, 2003